

PLC-TF1

EP 1 075 091 A1

**Method, circuit and system for operation of a network for data transmission in a low voltage power distribution network**

In order to operate low-voltage power distribution networks for data transmission a suitable signal conditioning is necessary. The invention uses impedances in the cross branches exclusively for setting up a conditioning circuit. In this way the impedances can be adapted to the immediate requirements during on-going operation. Using associated circuitry a terminating impedance (10) at the end of a line (1) or a conditioning impedance (30) between two lines (1, 2) is created, which can be installed in separate housings or in the existing switchgear panels.

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**Independent Claim:** (Translated from the German in EP 1 075 091 A1)

Method for the operation of low voltage networks, conceived as power distribution networks, for data transmission, to which purpose a conditioning of the network is foreseen,

characterised in that

only impedances in the cross leg are used for conditioning.

Circuit for the implementation of the method provided.